Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	10/13/2016 09:52 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125281	0	2.17	125084	2.18
Blue	F	SSC	125000	121505	-3	4.05	121723	3.87
Blue	E	FITC	22946	22504	-2	2.54	1005	9.47
Blue	D	PE	28770	28308	-2	2.18	1018	8.97
Blue	B	PerCP-Cy5-5	51099	50702	-1	3.48	1453	15.64
Blue	A	PE-Cy7	42312	41764	-2	4.98	644	31.94
Red	C	APC	52169	51411	-2	2.85	2951	9.13
Red	A	APC-Cy7	56705	55816	-2	2.92	1157	10.76
Violet	B	V450	14708	14217	-4	4.51	680	9.01
Violet	A	V500	58608	57982	-2	4.30	2580	6.71

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19612	5.65	593	-5	N/A	N/A	Pass
Blue	F	SSC	60796	1.80	520	2	N/A	N/A	Pass
Blue	E	FITC	112	36.20	529	-2	0.0248	147	Pass
Blue	D	PE	224	26.01	525	-1	0.1909	212	Pass
Blue	B	PerCP-Cy5-5	229	39.82	619	-3	0.0119	37	Pass
Blue	A	PE-Cy7	74	101.44	665	-6	0.0148	10	Pass
Red	C	APC	347	26.51	588	-2	0.0224	76	Pass
Red	A	APC-Cy7	126	39.09	571	-5	0.0063	1799	Pass
Violet	B	V450	82	42.15	470	11	0.0523	2246	Pass
Violet	A	V500	186	23.85	500	12	0.0148	755	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.74	-31.40	0.81
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.31
Red	18.41	13.27 - 19.91	N/A	N/A	31.93	32.08	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 11350

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments